

DataONE: Components of Successful Metadata Registry Frameworks

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Overview

- Data Observation Network for Earth (DataONE)
 - ~ NSF DataNet
 - Initiatives to build cyberinfrastructures to develop a sustainable framework for science
- Goal of DataONE
 - ~ open, persistent, robust, and secure access to well-described and easily discovered Earth observational data

DataONE:

Preservation and Metadata WG (PAM-WG)

- PAM-WG chairs
 - ~ John Kunze, Associate Director, University of California
 - ~ Jane Greenberg, director of the metadata research center
- Goal
 - ~ Identify components of successful metadata registry frameworks
- Methods
 - ~ Assess a sample of metadata registries and identify factors impacting registration success and limitations

Summer Plan

- Identify components of successful metadata registry frameworks:
 - ~ Assessing existing registries and analyze their functionalities
 - ~ Communicating with registry developers and maintainers
 - ~ Producing a list of features and processes crucial to successful metadata registration.
- Developing a prototype framework for a successful metadata registry
 - ~ Promote metadata sharing, data discovery, and interoperability among member nodes

Thanks!

- <https://notebooks.dataone.org/metadata-registry/>
- <http://www.dataone.org/>